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Patent and Trademark Office

U.S. Application Serial No.  
10/803,352

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AM-4913.C1



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Andres Fernandez et al.  
Applicants

March 18, 2004  
Filing Date

2881  
Group

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<u>BES</u>	4,390,789	06/28/83	Smith et al. *	250	492.2	
<u>BES</u>	4,460,831	07/17/84	Oettinger et al. *	250	492.2	
<u>BES</u>	4,639,638	01/27/87	Purcell et al. *	313	534	
<u>BES</u>	4,694,178	09/15/87	Harte *	250	396 R	
<u>BES</u>	4,788,514	11/29/88	Fox	332	7.5	
<u>BES</u>	4,820,927	04/11/89	Langner et al. *	250	492.2	
<u>BES</u>	5,038,072	08/06/91	Beghin	313	370	
<u>BES</u>	5,359,45	10/25/94	Geibart et al.	359	285	<i>not considered</i>
<u>BES</u>	5,386,221	01/31/95	Allen et al.	346	108	
<u>BES</u>	5,533,570	07/02/96	Teitzel et al.	395	108	
<u>BES</u>	5,684,360	11/04/97	Baum et al. *	313	542	
<u>BES</u>	5,729,022	03/17/98	Veneklasen et al. *	250	396 ML	

Examiner Date Considered

Bernard Souw

03/04/05

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Cited during the prosecution of the parent application, U.S. Application Serial No. 10/055,869.

### U. S. PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Filing Date If Appropriate</u>
<u>BE</u>	5,814,821	09/29/98	Reusch et al.	250	492.3	
<u>BE</u>	5,960,013	09/28/99	Sheffield *	372	2	

### FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation (If Appropriate)</u>
<u>BE</u>	WO 98/48443	10/29/98	Wiesner et al.	H01J	37/30	
<u>BE</u>	WO 99/03016	01/21/99	Yao et al.	G02F	1/11	
<u>BE</u>	WO 99/03022	01/21/99	Tamkin et al.	G03F	7/20	
<u>BE</u>	WO 99/47978	09/23/99	Berglund et al.	G03F	7/20	

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

- BE \* H. Bluem et al., "Photocathode Electron Source Development at Advanced Energy Systems",  
— Proceedings of EPAC 2000, Vienna, Austria, pp. 1639 - 1641 (Sept 2000).
- BE \* A. di Bona et al., "Auger and x-ray photoemission spectroscopy study on Cs<sub>2</sub>Te photocathodes",  
— J. Appl. Phys., Vol. 80, No. 5, pp. 3024 - 3030 (Sept 1996).
- BE \* A. di Bona et al., "Formation of the Cs<sub>2</sub>Te Photocathode: Auger and Photoemission Spectroscopy  
— Study", Proc. EPAC 2000 Conference, Vienna, Austria (Sept 2000).

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- BES — L. N. Dinh et al., "Synthesis and characterization of Si/Cs/O nanocluster thin films with negative electron affinity", Physical Review B, Vol. 59, No. 23, pp. 15513 - 15522 (1999).
- BES — \* D. H. Dowell et al., "433 MHz High Duty Photocathode RF Gun Experiments", PERL Workshop, Jan. 22-23, 2001.
- BES — S. H. Kong et al., "Cesium telluride photocathodes", J. Appl. Phys., Vol. 77, No. 11, pp. 6031 - 6038 (1995).
- BES — \* P. Michelato et al., "Cs<sub>2</sub>Te photocathode for the TTF Injector II",
- BES — \* B. K. Singh et al., "CsBr and CsI UN photocathodes: new results on quantum efficiency and aging", Nucl. Instr. & Meth., A454, pp. 374 - 378 (2000).
- BES — \*\* C. Travier et al., "Candela Photo-Injector Experimental Results With a Dispenser Photocathode", Proc. EPAC 2000 Conference, Vienna, Austria (Sept 2000).
- BES — \*\* JLAB Monthly Report IR Demo FEL Upgrade and Commissioning Project, June 1998.
- BES — \*\* IBM Technical Bulletin No. NB8910279, "Improving Brightness and Current of Photoelectron Lithography" (Oct 1989).

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